ABSTRACT OF THE DISCLOSURE

The present invention relates to a method for purifying, modifying and immobilizing recombinant protein. The method utilizes genetic engineering to tag a DNA sequence encoding a target protein with a specific tag and express the vector to obtain a recombinant protein. The recombinant protein is then purified and modified by an affinity column and modification reagent. After exchanging the recombinant protein with a decoupling reagent, the recombinant protein is immobilized onto a specific substrate. . The method, combining steps of purification, modification and immobilization, provides convenience to using recombinant protein. The omission of the use of dialysis or molecular sieve leads to a shorter period dedicating for removing excessive reagents and the increase of efficiency of recombinant protein recovery.